

NOV 17 2000

DOCKET NO. UPN-3831

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Mark I. Greene,  
Ramachandran Murali, Masahiko Kinoshita

Group Art Unit:

For: METHODS OF INHIBITING  
OSTEOCLAST ACTIVITY

Examiner:

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a



Utility Patent



Design Patent

is sought on the invention, whose title appears above, the specification of which:



is attached hereto.

was filed on July 28, 2000 as Serial No. 09/628,665.

said application having been amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

**DOCKET NO. UPN-3831****- 2 -****PATENT**

<b>Priority Claimed (If X'd)</b>	<b>Country</b>	<b>Serial Number</b>	<b>Date Filed</b>
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<b>Serial Number</b>	<b>Date Filed</b>	<b>Patented/Pending/Abandoned</b>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

<b>Serial Number</b>	<b>Date Filed</b>
<u>60/146,094</u>	<u>July 28, 1999</u>
_____	_____

I hereby appoint the following persons of the firm of **WOODCOCK WASHBURN KURTZ**

**MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:


Mark DeLuca Reg. No. 33,229

\_\_\_\_\_ Reg. No. \_\_\_\_\_

Address all telephone calls and correspondence to:

Mark DeLuca, Esq.  
**WOODCOCK WASHBURN KURTZ**  
**MACKIEWICZ & NORRIS LLP**  
One Liberty Place - 46th Floor  
Philadelphia PA 19103  
Telephone No.: (215) 568-3100  
Facsimile No.: (215) 568-3439

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Name:</b> Mark I. Greene	
<b>Mailing Address:</b> 300 Righters Mill Road Penn Valley, Pennsylvania 19072	<b>Signature</b>
<b>City/State of Actual Residence:</b> Penn Valley, Pennsylvania	<b>Date of Signature:</b> <u>25/9/2000</u>
	<b>Citizenship:</b> <u>United States</u>

<b>Name:</b> Ramachandran Murali	<u>Ramachandran Murali</u>
<b>Mailing Address:</b> 41-6 Revere Road Drexel Hill, Pennsylvania 19026	<b>Signature</b>
<b>City/State of Actual Residence:</b> Drexel Hill, Pennsylvania	<b>Date of Signature:</b> <u>Sep 25, 2000</u>
	<b>Citizenship:</b> <u>India</u>

<b>Name:</b> Masahiko Kinosaki	<u>Masahiko Kinosaki</u>
<b>Mailing Address:</b> 53-8 Yukigaoka, Kaminokawa-machi, Kawachi-gun Tochigi 329-0528, Japan	<b>Signature</b>
<b>City/State of Actual Residence:</b> Tochigi, Japan	<b>Date of Signature:</b> <u>Oct. 6, 2000</u>
	<b>Citizenship:</b> <u>Japan</u>

<b>Name:</b>	
<b>Mailing Address:</b>	<b>Signature</b>
<b>City/State of Actual Residence:</b>	<b>Date of Signature:</b> _____
	<b>Citizenship:</b> _____

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Docket No.: 4040/1K201US1

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Mark I. GREENE; Ramachandran MURALI; Masahiko KINOSAKI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: Greene and Murali - 5/20/02, Kinasaki - June 17, 2002

2. Name and address of receiving party(ies):

Name: University of Pennsylvania

Internal Address:

Street Address: 3160 Chestnut Street, Suite 200

City: Philadelphia State: PA Zip: 19104-6283

Additional name(s) & address(es) attached? ☐ Yes ☒ No

EXPRESS MAIL CERTIFICATE

Date 8/1/02 Label No. 86683219-US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution dates of the application is:

A. Patent Application No.(s)

Serial No. 09/628,665  
Filed: July 28, 2000

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Darby & Darby P.C.

Internal Address: Samuel S. Woodley, Ph.D.

Street Address: Post Office Box 5257

City: New York State: New York Zip: 10150-5257

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-0100


(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Melvin C. Garner (26,272)  
Name of Person Signing

  
Signature

August 1, 2002  
Date

Total number of pages including cover sheet, attachments, and document:

5

**ASSIGNMENT**

I, **Mark I. Greene**, a citizen of U.S.A., residing at 300 Righters Mill Road, Penn Valley, Pennsylvania 19072; and

I, **Ramachandran Murali**, a citizen of U.S.A., residing at 41-6 Revere Road, Drexel Hill, Pennsylvania 19026; and

I, **Masahiko Kinosaki**, a citizen of Japan, residing at 55-1-201 Shimotogari Nagaizumi-cho, Suntou-gun, Shizuoka 411-0941, Japan

(hereinafter called "ASSIGNOR") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to me by

**University of Pennsylvania**

a corporation organized under the laws of Pennsylvania, located at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, all my right, title and interest, **throughout the world, including priority rights**, in and to my invention entitled:

**METHODS OF INHIBITING OSTEOCLAST ACTIVITY**

invented by me, as a co-inventor if other inventors are identified above, and described in a patent application Serial No. 09/628,665, Filed on July 28, 2000, for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being **my entire ownership interest** in said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any

amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

\_\_\_\_\_  
Mark I. Greene

DATED: \_\_\_\_\_

\_\_\_\_\_  
Ramachandran Murali

DATED: \_\_\_\_\_

Masahiko Kinosaki  
Masahiko Kinosaki

DATED: June, 17, 2002

Docket No. 4040/1K201 US1

ASSIGNMENT

I, Mark I. Greene, a citizen of U.S.A., residing at 300 Righters Mill Road, Penn Valley, Pennsylvania 19072; and

I, Ramachandran Murali, a citizen of India, residing at 41-6 Revere Road, Drexel Hill, Pennsylvania 19026; and

I, Masahiko Kinoshita, a citizen of Japan, residing at 53-8 Yukigaoka, Kaminokawa-machi, Kawachi-gun, Tochigi 329-0528, Japan

(hereinafter called "ASSIGNOR") in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, paid to me by

University of Pennsylvania

a corporation organized under the laws of Pennsylvania, located at 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283, (hereinafter called the "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, all my right, title and interest, throughout the world, including priority rights, in and to my invention entitled:

METHODS OF INHIBITING OSTEOCLAST ACTIVITY

invented by me, as a co-inventor if other inventors are identified above, and described in a patent application Serial No. 09/628,665, Filed on July 28, 2000, for United States Letters Patent therefor, and all divisions, reissues, continuations and extensions thereof, said interest being my entire ownership interest. In said Letters Patent when granted, to be held and enjoyed by said ASSIGNEE, its successors, assigns or other legal representatives, to the full end of the term for which said Letters patent may be granted, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal or reissue applications, or in any



amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said ASSIGNEE;

And I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Mark I. Greene  
Mark I. Greene

DATED: 5/20/02

Ramachandran Murali  
Ramachandran Murali

DATED: 5/20/02

Masahiko Kinosaki  
Masahiko Kinosaki

DATED: \_\_\_\_\_

EXPRESS MAIL CERTIFICATE

Date 8/1/02 Label No. EU186683205-US

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

D. DAVIS  
Name (Print)

D. Davis  
Signature

PLEASE CHARGE ANY DEFICIENCY UP TO \$300.00 OR  
CREDIT ANY EXCESS IN THE FEES DUE WITH THIS  
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PATENT TRADEMARK OFFICE

Docket No.: 4040/1K201

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mark I. GREENE, Ramachandran MURALI and  
Masahiko KINOSAKI

Serial No.: 09/628,665

Filed: July 28, 2000

Confirmation No.: 3666

Art Unit: 1653

Examiner: Abdel A. MOHAMED

For: METHODS OF INHIBITING OSTEOCLAST ACTIVITY

REVOCATION OF POWER OF ATTORNEY AND  
SUBSTITUTE POWER OF ATTORNEY

Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

The assignee of the above-identified application hereby revokes all  
prior powers of attorney, and appoints:

Michael J. Sweedler (No. 19,937)  
S. Peter Ludwig (No. 25,351)  
Paul Fields (No. 20,298)  
Marc S. Gross (No. 19,614 )  
Joseph B. Lerch (No. 26,936)

Melvin C. Garner (No. 26,272)  
Ethan Horwitz (No. 27,646)  
Adda C. Gogoris (No. 29,714)  
Bert J. Lewen (No. 19,407)  
Henry Sternberg (No. 22,408)  
Peter C. Schechter (No. 31,662)  
Robert Schaffer (No. 31,194)  
Robert C. Sullivan, Jr. (No. 30,499)  
Ira J. Levy (No. 35,587)  
Joseph R. Robinson (No. 33,448)  
Scott Lindvall (No. 40,325)  
Paul F. Fehlner, Ph.D. (No. 35,135)  
David Leason (No. 36,195)  
Pierre R. Yanney, (No. 35,418)  
Samuel S. Woodley, Ph.D. (No. 43,287)  
Mitchell Bernstein, Ph.D. (No. 46,550)  
Petra Sansom, Ph.D. (No. 45,741)

all of the firm of **DARBY & DARBY P.C.**, located at 805 Third Avenue, New York, New York 10022, as its attorneys and/or agents with full power of substitution and revocation, to prosecute said application, and to transact all business in the United States Patent and Trademark Office in connection therewith.

Please address all communications relating to the present application  
to:

S. Peter Ludwig, Esq. (43,287)  
**DARBY & DARBY, P.C.**  
Post Office Box 5257  
New York, NY 10150-5257  
(212) 527-7700

**CERTIFICATION UNDER 37 C.F.R. § 3.73(b):**

In accordance with the requirements of 37 C.F.R. § 3.73(b), the undersigned hereby certifies that the TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA is the sole assignee of the entire right, title and interest of the present application by virtue of an assignment made by the inventors Mark I. GREENE, Ramachandran MURALI and Masahiko KINOSAKI and executed on May 20, 2002, May 20, 2002 and June 17, 2002, respectively. A true copy of the assignment is submitted herewith, at Exhibit Tab A and pursuant to 37 C.F.R.

§ 3.73(b)(1)(i). The original assignment document is being concurrently submitted to the U.S. Patent and Trademark Office under separate cover, for recordation.

The undersigned has reviewed the evidentiary documents in the chain of title for this patent application and certifies that, to the best of the assignee's knowledge and belief, title is in the assignee seeking to take action. The undersigned further certifies that he is empowered to act on behalf of said assignee.

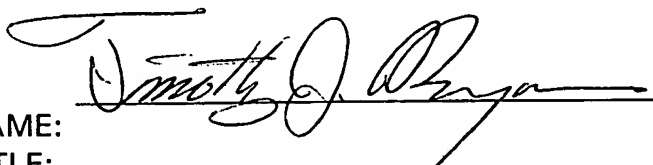
Respectfully submitted,

Dated:

7/3/02

NAME:

TITLE:



COMPANY: TRUSTEES OF THE UNIVERSITY  
OF PENNSYLVANIA

Attachment: Exhibit A (Assignment)